NCBI **CD-Search** Entrez ?

RPS-BLAST 2.2.1 [Apr-13-2001]

Query=
(34 letters)

Mouse-over boxes to display more information

PSSMs producing significant alignments:		Score (bits)	E value
gnl|Pfam|pfam01279	Parathyroid, Parathyroid hormone family	55.1	6e-10
gnl|Smart|smart00087	PTH, Parathyroid hormone	45.4	5e-07

---

gnl|Pfam|pfam01279, Parathyroid, Parathyroid hormone family.

Add query to multiple alignment, display up to 10 sequences
most similar to the query

CD-Length = 124 residues, only 26.6% aligned
Score = 55.1 bits (131), Expect = 6e-10

```
Query:  2   VSEIQLMHNLGKHLNSMERVEWLRKKLQDVHNF  34
Sbjct:  32  VSEHQLMHNLGKHIQDLERRFWLHHKLQDVHTA  64
```

22/33 or 34 (66.7%)

---

gnl|Smart|smart00087, PTH, Parathyroid hormone

Add query to multiple alignment, display up to 10 sequences
most similar to the query

CD-Length = 36 residues, 91.7% aligned
Score = 45.4 bits (106), Expect = 5e-07

```
Query:  2   VSEIQLMHNLGKHLNSMERVEWLRKKLQDVHNF  34
Sbjct:  4   VSEHQLMHNLGKHIQDLERREWLQKKLQDVHTA  36
```

Entrez Protein

☐ 1: 1ZWB **Structure Of Human Parathyroid Hormone Fragment 2-37, Nmr, 10 Structures** BLink, Related Sequences, Structure, Taxonomy, 3D Domains, LinkOut

```
LOCUS       1942097        36 aa                      PRI       17-JUN-1996
DEFINITION  Structure Of Human Parathyroid Hormone Fragment 2-37, Nmr, 10
            Structures.
ACCESSION   1942097
PID         g1942097
VERSION       GI:1942097
DBSOURCE    pdb: release Jun 17, 1996;
            deposition: Jun 17, 1996;
            class: Hormone;
            source: Mol_id: 1; Synthetic: Yes;
            Non X-ray method: Nmr, 10 Structures.
KEYWORDS    .
SOURCE      human.
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE   1  (residues 1 to 36)
  AUTHORS   Marx,U.C.
  TITLE     Strukturen Verschiedener Parathormonfragmente In Loesung
  JOURNAL   Book: STRUKTUREN VERSCHIEDENER PARATHORMONFRAGMENTE IN LOESUNG.
            Bayreuth : University Of Bayreuth (Thesis):GW (1996)
REFERENCE   2  (residues 1 to 36)
  AUTHORS   Roesch,P. and Marx,U.C.
  TITLE     Direct Submission
  JOURNAL   Submitted (17-JUN-1996)
COMMENT     Revision History:
            MAR 12 97 Initial Entry.
FEATURES             Location/Qualifiers
     source          1..36
                     /organism="Homo sapiens"
                     /db_xref="taxon:9606"
     SecStr          20..29
                     /sec_str_type="helix"
                     /note="helix 1"
ORIGIN
        1 vseiqlmhnl gkhlnsmerv ewlrkklqdv hnfval
//
```

PALM INTRANET

Day : Tuesday
Date: 8/ 7/2001
Time: 14:12:08

Inventor Name Search Result

Your Search was:

Last Name = BRINGHURST
First Name = F

Serial#	Patent#	Status	Date Filed	Title	Inventor Name
09448867	Not Issued	41	11/24/1999	HUMAN PARATHYROID HORMONE MODIFICATIONS, PREPARATION AND USE	BRINGHURST , F RICHARD
08903977	6183974	150	07/31/1997	SCREENING ASSAYS FOR G PROTEIN COUPLED RECEPTOR AGONISTS AND	BRINGHURST , F. RICHARD
09447800	Not Issued	71	11/23/1999	AMINO-TERMINAL MODIFIED PARATHYROID HORMONE (PTH) ANALOGS	BRINGHURST , F. RICHARD
09696982	Not Issued	30	10/27/2000	SCREENING ASSAYS FOR G PROTEIN COUPLED RECEPTOR AGONISTS AND ANTAGONIS	BRINGHURST , F. RICHARD
60109938	Not Issued	159	11/25/1998	HUMAN PARATHYROID HORMONE MODIFICATIONS, PREPARATION AND USE	BRINGHURST , F. RICHARD
60110152	Not Issued	159	11/25/1998	AMINO-TERMINAL MODIFIED PARATHYROID HORMONE (PTH) ANALOGS	BRINGHURST , F. RICHARD
60225065	Not Issued	2	08/14/2000	PTH ANALOGS FOR RENAL OSTEODYSTROPHY AND RELATED USES	BRINGHURST , F. RICHARD

Inventor Search Completed: No more records to search.

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Last Name BRINGHURST **First Name** F

Search

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L19 ANSWER 7 OF 20 BIOSIS COPYRIGHT 2001 BIOSIS
AN 1991:179841 BIOSIS
DN BA91:94590
TI BIOLOGICAL ACTIVITY OF PARATHYROID HORMONE ANTAGONISTS SUBSTITUTED AT POSITION 13.
AU CHOREV M; ROUBINI E; MCKEE R L; GIBBONS S W; REAGAN J E; GOLDMAN M E; CAULFIELD M P; ROSENBLATT M
CS MERCK SHARP DOHME RES. LAB., WEST POINT, PA. 19486.
SO PEPTIDES (ELMSFORD), (1991) 12 (1), 57-62.
CODEN: PPTDD5. ISSN: 0196-9781.
FS BA; OLD
LA English

L2 ANSWER 2 OF 5 BIOSIS COPYRIGHT 2001 BIOSIS
AN 1995:119927 BIOSIS
DN PREV199598134227
TI Parathyroid hormone fragments may stimulate bone growth in ovariectomized rats by activating adenylyl cyclase.
AU Rixon, Ray H.; Whitfield, James F. (1); Gagnon, Lyne; Isaacs, Richard J.; MacLean, Susanne; Chakravarthy, Balu; Durkin, Jon P.; Neugebauer, Witold; Ross, Virginia; Sung, Wing; Willick, Gordon E.
CS (1) Inst. Biol. Sci., Natl. Res. Council Canada, Build. M-54, Montreal Road Campus, Ottawa, ON K1A 0R6 Canada
SO Journal of Bone and Mineral Research, (1994) Vol. 9, No. 8, pp. 1179-1189.
ISSN: 0884-0431.
DT Article
LA English

L18 ANSWER 1 OF 1 BIOSIS COPYRIGHT 2001 BIOSIS
AN 1981:241385 BIOSIS
DN BA72:26369
TI ANALOGS OF AN IN-VITRO PARATHYROID HORMONE INHIBITOR MODIFICATIONS AT THE AMINO TERMINUS.
AU ROSENBLATT M; POTTS J T JR
CS ENDOCRINE UNIT, MASS. GEN. HOSP., BOSTON, MA 02114.
SO CALCIF TISSUE INT, (1981) 33 (2), 153-158.
CODEN: CTINDZ. ISSN: 0171-967X.
FS BA; OLD
LA English